

22855 U.S. PTO  
121103

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application Transmittal

22386 U.S. PTO  
10/733959  
121103

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the Patent Application of:

Inventor: Abdo Esmail Abdo et al.

For: **APPARATUS AND METHOD FOR ESTIMATING CARDINALITY WHEN  
DATA SKEW IS PRESENT**

**ASSIGNEE NAME: INTERNATIONAL BUSINESS MACHINES CORPORATION**

**ASSIGNEE RESIDENCE: ARMONK, NEW YORK**

Enclosed are:

- ☒ 27 Pages of Specification and 1 Abstract
- ☒ 7 Sheets of Drawings
- ☒ A Declaration and Power of Attorney
- ☐ An Information Disclosure Statement and form PTO/SB/08A
- ☐ A certified copy of foreign application
- ☒ An Assignment of the invention to International Business Machines Corporation, Armonk,  
New York 10504

The filing fee has been calculated as follows:

For:	No. Filed	No. Extra
Basic Fee		
Total Claims	16 -20 =	0
Indep. Claims	6 -3 =	3
<input type="checkbox"/> Multiple Dependent Claim Presented		

Other Than Small Entity

Rate	Fee
	\$ 770.00
x \$18.00=	\$ 00.00
x \$86.00=	\$ 258.00
\$290.00	\$ 00.00
TOTAL	\$1,028.00

**EXPRESS MAIL CERTIFICATE**

Express Mail Label No.: EV 407023214 US  
Date: December 11, 2003

I hereby certify that I am depositing the enclosed or attached paper with the U.S. Postal Service "Express Mail Post Office to Addressee" service on the above date, addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*Debra A. Peterson*  
Debra A. Peterson

Patent Application Transmittal

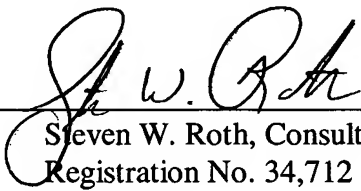
Attorney Docket No. ROC920020192US1

Deposit Account Authorization:

- ☒ Please charge Deposit Account No. 09-0465 in the amount of **\$1,028.00**. A duplicate copy of this sheet is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 09-0465. A duplicate copy of this sheet is enclosed.
- ☒ Any additional filing fees required under 37 C.F.R. §1.16.
- ☒ Any patent application processing fees under 37 C.F.R. §1.17.

Respectfully submitted,

Date: December 11, 2003

By   
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